

Dicynodon

Dicynodon ("two dog-teeth") is a genus of dicynodont therapsid that flourished during the Upper Permian period. Like all dicynodonts, it was herbivorous. This animal was toothless, except for prominent tusks, hence the name. It probably cropped vegetation with a horny beak, much like a tortoise, while the tusks may have been used for digging up roots and tubers.^[1]

Many species of *Dicynodon* have been named, and the genus is considered a wastebasket taxon. A 2011 study of the genus found most of the species to represent a paraphyletic grouping, with the only valid members of *Dicynodon* being *D. lacerticeps* and *D. huenei*.^[2] A 2019 study named a new species *D. angielczyki*, but simultaneously transferred *D. huenei* to the genus *Daptocephalus*.^[3]

Contents

Description

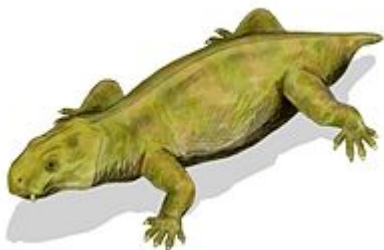
Species

See also

References

External links

Description





Restoration of *D. lacerticeps*

Tanzania.

The type species is *Dicynodon lacerticeps* Owen, 1845. A large number of species have since been placed in this genus, some of which turned out to be synonyms of other species, others have been moved to different genera.

Dicynodon was a medium-sized and advanced member of the Dicynodont group. It had an average length of 1.2 metres (3.9 ft), although size differed among species. Its fossil remains have been found in sediments of latest Permian age in South Africa and



















<i>Dicynodon</i>										
Temporal range: Changhsingian, <div>253.8–251 Ma</div>										
PreЄ	Є	O	S	D	C	P	T	J	K	PgN
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Skull of <i>Dicynodon lacerticeps</i>										
Scientific classification 										
Kingdom:	Animalia									
Phylum:	Chordata									
Clade:	Therapsida									
Infraorder:	†Dicynodontia									
Stem group:	†Bidentalia									
Superfamily:	†Dicynodontoidea									
Family:	†Dicynodontidae <div>Owen, 1859</div>									
Genus:	† <i>Dicynodon</i> <div>Owen, 1845</div>									
Species										
† <i>D. lacerticeps</i> Owen, 1845 (type)										
† <i>D. angielczyki</i> Kammerer, 2019										

















Species


















Synonyms



















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


Two species of *Dicynodon* are currently recognized: the type species *D. lacerticeps* from South Africa and the species *D. angielczyki* from Tanzania. Since the genus was first named, over 160 species have been assigned to *Dicynodon*. A 2011 study of the genus found 11 of these species to be valid, although most are now assigned to other dicynodont genera.^[2] Below is a list of all species that have ever been assigned to *Dicynodon*. Since their naming, most have been considered as synonymous with other dicynodont species. Names in bold are still referable to *Dicynodon*.


















Species	Authority	Age	Location	Unit	Status
<i>Dicynodon acutirostris</i>	Broom, 1935	Late Permian	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <u><i>Tropidostoma dubium</i></u>
<i>Dicynodon aetorhamphus</i>	Broom, 1948	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon alfredi</i>	(Owen, 1862)	Early Triassic	 South Africa	<u>Lystrosaurus Assemblage Zone</u>	Junior synonym of <u><i>Lystrosaurus declivis</i></u>
<i>Dicynodon allani</i>	Broom, 1940	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon alticeps</i>	Broom and Houghton, 1913	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Valid as <u><i>Sintocephalus alticeps</i></u>
<i>Dicynodon amalitzkii</i>	Sushkin, 1926	Late Permian	 Russia	Upper Vyatkian	Valid as <u><i>Peramodon amalitzkii</i></u>
<i>Dicynodon andrewsi</i>	Broom, 1921	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon angielczyki</i>	Kammerer, 2019	Late Permian	 Tanzania	<u>Usili Formation</u>	Valid
<i>Dicynodon annae</i>	Sushkin, 1926	Late Permian	 Russia	Upper Vyatkian	Junior synonym of <u><i>Vivaxosaurus trautscholdi</i></u>
<i>Dicynodon anneae</i>	Broom, 1940	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Dinanomodon gilli</i></u>
<i>Dicynodon antjiesfonteinensis</i>	Toerien, 1953	Middle Permian	 South Africa	<u>Tapinocephalus Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon bainii</i>	Owen, 1845	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Valid as <u><i>Aulacephalodon bainii</i></u>
<i>Dicynodon bathyrhynchus</i>	von Huene, 1942	Late Permian	 Tanzania	Upper Usili Formation	Valid as <u><i>Euptychognathus bathyrhynchus</i></u>
<i>Dicynodon benjamini</i>	Broom, 1948	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Valid as <u><i>Keyseria benjamini</i></u>
<i>Dicynodon bogdaensis</i>	King, 1988	Late Permian	 China	<u>Guodikeng Formation</u>	Valid as <u><i>Turfanodon bogdaensis</i></u>
<i>Dicynodon bolorhinoides</i>	Watson, 1960	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Aulacephalodon bainii</i></u>
<i>Dicynodon bolorhinus</i>	Broom, 1913	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon</i>	Broom,	Late	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of


















<i>brachyrhynchus</i>	1948	<u>Permian</u>	<u>South Africa</u>		<i>Oudenodon bainii</i>
<i>Dicynodon breviceps</i>	Haughton, 1915	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon brevirostris</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone or Dicynodon Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon broomi</i>	Broili and Schröder, 1937	<u>Middle Permian</u>	 <u>South Africa</u>	<u>Tapinocephalus Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon broilii</i>	Boonstra, 1948	<u>Middle Permian</u>	 <u>South Africa</u>	<u>Tapinocephalus Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon cadlei</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon calverleyi</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Basilodon woodwardi</i>
<i>Dicynodon cavifrons</i>	Broom and Haughton, 1917	<u>Late Permian</u>	 <u>South Africa</u>	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Tropidostoma dubium</i>
<i>Dicynodon clarencei</i>	Broom, 1950	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Dicynodontoides recurvidens</i>
<i>Dicynodon copei</i>	Seeley, 1889	<u>Early Triassic</u>	 <u>South Africa</u>	<u>Lystrosaurus Assemblage Zone</u>	Junior synonym of <i>Lystrosaurus murrayi</i>
<i>Dicynodon cordylus</i>	Lydekker, 1889	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon corstorphineii</i>	Broom and Haughton, 1917	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon curtus</i>	Broom, 1921	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon curvatus</i>	Owen, 1876	<u>Early Triassic</u>	 <u>South Africa</u>	<u>Lystrosaurus Assemblage Zone</u>	Valid as <i>Lystrosaurus curvatus</i>
<i>Dicynodon cyclops</i>	Haughton, 1917	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon daptocephaloides</i>	Toerien, 1955	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <i>Daptocephalus leoniceps</i>
<i>Dicynodon declivis</i>	Owen, 1860	<u>Early Triassic</u>	 <u>South Africa</u>	<u>Lystrosaurus Assemblage Zone</u>	Valid as <i>Lystrosaurus declivis</i>
<i>Dicynodon</i>	(Owen,	<u>Early</u>		<u>Lystrosaurus Assemblage</u>	Junior synonym of







<i>depressus</i>	1876)	<u>Triassic</u>	 <u>South Africa</u>	<u>Zone</u>	<u><i>Lystrosaurus declivis</i></u>
<i>Dicynodon dubius</i>	Owen, 1876	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Tropidostoma</i> Assemblage Zone</u>	Valid as <u><i>Tropidostoma dubium</i></u>
<i>Dicynodon duffianus</i>	von Huene, 1940	<u>Late Permian</u>	 <u>Scotland</u>	<u>Cutties Hillock Sandstone Formation</u>	Junior synonym of <u><i>Gordonia traquairi</i></u>
<i>Dicynodon dunnii</i>	Seeley, 1889	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Tropidostoma</i> Assemblage Zone</u>	Junior synonym of <u><i>Tropidostoma dubium</i></u>
<i>Dicynodon dutoiti</i>	Broom and Schepers, 1937	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Dicynodon lacerticeps</i></u>
<i>Dicynodon duvenhagei</i>	Broom, 1948	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Dicynodontoides recurvidens</i></u>
<i>Dicynodon euryceps</i>	Boonstra, 1938	<u>Late Permian</u>	 <u>Zambia</u>	<u>Upper Madumabisa Mudstone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon feliceps</i>	Owen, 1876	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone or <i>Dicynodon</i> Assemblage Zone</u>	Valid as <u><i>Diictodon feliceps</i></u>
<i>Dicynodon galecephalus</i>	Broom and Robinson, 1948	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Dinanomodon gilli</i></u>
<i>Dicynodon gamkaensis</i>	Broom, 1937	<u>Middle Permian</u>	 <u>South Africa</u>	<u><i>Tapinocephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon gilli</i>	Broom, 1932	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone</u>	Valid as <u><i>Dinanomodon gilli</i></u>
<i>Dicynodon glaucops</i>	Broom, 1948	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon graaffi</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon gracilis</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Tropidostoma</i> Assemblage Zone</u>	Junior synonym of <u><i>Dicynodontoides recurvidens</i></u>
<i>Dicynodon grahami</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Dicynodon</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon grandis</i>	Haughton, 1917	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Cistecephalus</i> Assemblage Zone</u>	<i>Incertae sedis</i>
<i>Dicynodon greyii</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon</i>	Broom,	<u>Late</u>		<u><i>Tropidostoma</i> Assemblage</u>	Junior synonym of


















<i>grimbeeki</i>	1935	<u>Permian</u>	 South Africa	<u>Zone</u>	<i>Diictodon feliceps</i>
<i>Dicynodon grossarthi</i>	Broili and Schröder, 1937	<u>Late Permian</u>	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon halli</i>	Watson, 1914	<u>Late Permian</u>	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon hartzenbergi</i>	Broom, 1940	<u>Late Permian</u>	 South Africa	<u>Cistecephalus Assemblage Zone</u>	<i>Incertae sedis</i>
<i>Dicynodon haughtonianus</i>	von Huene, 1931	<u>Middle Permian</u>	 South Africa	<u>Tapinocephalus Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon helenae</i>	Boonstra, 1938	<u>Late Permian</u>	 Zambia	Upper <u>Madumabisa Mudstone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon howardi</i>	Broom, 1948	<u>Late Permian</u>	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Dicynodontoides recurvidens</i>
<i>Dicynodon huenei</i>	Haughton, 1932	<u>Late Permian</u>	 Tanzania	Upper <u>Usili Formation</u>	Valid as <i>Daptocephalus huenei</i>
<i>Dicynodon huxleyanus</i>	von Huene, 1940	<u>Late Permian</u>	 United Kingdom	<u>Cutties Hillock Sandstone Formation</u>	Junior synonym of <i>Gordonia traquairi</i>
<i>Dicynodon ictidops</i>	Broom, 1913	<u>Late Permian</u>	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon ictinops</i>	Broom, 1921	<u>Late Permian</u>	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Emydops arctatus</i>
<i>Dicynodon incisivum</i>	Repelin, 1923	<u>Late Permian</u>	 Laos	"Purple beds"	<i>Nomen dubium</i>
<i>Dicynodon ingens</i>	Broom, 1907	<u>Late Permian</u>	 South Africa	<u>Dicynodon Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon jouberti</i>	Broom, 1905	<u>Middle Permian</u>	 South Africa	<u>Tapinocephalus Assemblage Zone</u> or <u>Pristerognathus Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon juddianus</i>	von Huene, 1940	<u>Late Permian</u>	 United Kingdom	<u>Cutties Hillock Sandstone Formation</u>	Junior synonym of <i>Gordonia traquairi</i>
<i>Dicynodon kitchingi</i>	Broom, 1937	<u>Late Permian</u>	 South Africa	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon kolbei</i>	Broom, 1912	<u>Late Permian</u>	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon lacerticeps</i>	Owen, 1845	<u>Late Permian</u>	 South	<u>Cistecephalus Assemblage Zone</u> or <u>Dicynodon</u>	Valid














			Africa	Assemblage Zone	
<i>Dicynodon laticeps</i>	Broom, 1912	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Aulacephalodon bainii</i></u>
<i>Dicynodon latifrons</i>	Broom, 1899	Middle Triassic	 South Africa	<u>Cynognathus Assemblage Zone</u>	Junior synonym of <u><i>Kannemeyeria simocephala</i></u>
<i>Dicynodon latirostris</i>	Owen, 1860	Early Triassic	 South Africa	<u>Lystrosaurus Assemblage Zone</u>	Junior synonym of <u><i>Lystrosaurus declivis</i></u>
<i>Dicynodon leoniceps</i>	Owen, 1876	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Valid as <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon leontocephalus</i>	Broom, 1950	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon leontops</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon leptorhinus</i>	Broom, 1932	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon leptoscelus</i>	Broom, 1932	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon limbus</i>	Lucas, 1998	Late Permian	 China	<u>Naobaogou Formation</u>	Valid as <u><i>Daqingshanodon limbus</i></u>
<i>Dicynodon lissops</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon locusticeps</i>	von Huene, 1942	Late Permian	 Tanzania	<u>Upper Usili Formation</u>	Valid as <u><i>Geikia locusticeps</i></u>
<i>Dicynodon luangwanensis</i>	Boonstra, 1938	Late Permian	 Tanzania	<u>Upper Usili Formation</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon luckhoffi</i>	Broom, 1937	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon lutriceps</i>	Broom, 1912	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon maccabei</i>	Broom, 1940	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon macrodon</i>	Broom, 1940	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Dinanomodon gilli</i></u>
<i>Dicynodon macrorhynchus</i>	Broom, 1921	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>

<i>Dicynodon magnus</i>	Broom, 1913	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Valid as <u><i>Rhachiocephalus magnus</i></u>
<i>Dicynodon marlothi</i>	von Huene, 1940	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon megalops</i>	Broom, 1913	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon megalorhinus</i>	Broom, 1913	Middle Permian	 South Africa	<u>Tapinocephalus Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon microdon</i>	Broom, 1936	Late Permian	 South Africa	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <u><i>Basilodon woodwardi</i></u>
<i>Dicynodon microrhynchus</i>	von Huene, 1931	Late Permian	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <u><i>Pristerodon mackayi</i></u>
<i>Dicynodon microtrema</i>	Seeley, 1889	Late Permian	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <u><i>Tropidostoma dubium</i></u>
<i>Dicynodon milletti</i>	Broom, 1928	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon moschops</i>	Broom, 1913	Late Permian	 South Africa	<u>Dicynodon Assemblage Zone</u>	Valid as <u><i>Pelanomodon moschops</i></u>
<i>Dicynodon moutonae</i>	Broom, 1948	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon murrayi</i>	Huxley, 1859	Early Triassic	 South Africa	<u>Lystrosaurus Assemblage Zone</u>	Valid as <u><i>Lystrosaurus murrayi</i></u>
<i>Dicynodon mustoi</i>	Haughton, 1915	Late Permian	 South Africa	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon nanus</i>	Broom, 1936	Late Permian	 South Africa	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon nesemanni</i>	Broom, 1940	Late Permian	 South Africa	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon njalilus</i>	von Huene, 1942	Middle Triassic	 South Africa	<u>Manda Beds</u>	Valid as <u><i>Tetragonias njalilus</i></u>
<i>Dicynodon nowacki</i>	von Huene, 1942	Late Permian	 Zambia	<u>Usili Formation</u>	Valid as <u><i>Dicynodontoides nowacki</i></u>
<i>Dicynodon orientalis</i>	Huxley, 1865	Early Triassic	 India	<u>Panchet Formation</u>	Junior synonym of <u><i>Lystrosaurus murrayi</i></u>

<i>Dicynodon osborni</i>	Broom, 1921	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon oweni</i>	Lydekker, 1889	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon pachyrhynchus</i>	Broom, 1913	Middle Triassic	 South Africa	<u><i>Cynognathus</i> Assemblage Zone</u>	Junior synonym of <u><i>Kannemeyeria simocephala</i></u>
<i>Dicynodon parabreviceps</i>	Boonstra, 1938	Late Permian	 Zambia	Upper <u>Madumabisa Mudstone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon pardiceps</i>	Owen, 1876	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon parvidens</i>	Owen, 1876	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon planus</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon platyceps</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon platyfrons</i>	Broom, 1932	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon prognathus</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon pseudojouberti</i>	Boonstra, 1948	Middle Permian	 South Africa	<u><i>Tapinocephalus</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon psittacops</i>	Broom, 1912	Late Permian	 South Africa	<u><i>Tropidostoma</i> Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon pygmaeus</i>	Broom and Haughton, 1917	Late Permian	 South Africa	<u><i>Tropidostoma</i> Assemblage Zone</u>	Junior synonym of <u><i>Pristerodon mackayi</i></u>
<i>Dicynodon raniceps</i>	Broom, 1913	Late Permian	 South Africa	<u><i>Tropidostoma</i> Assemblage Zone</u>	Junior synonym of <u><i>Pristerodon mackayi</i></u>
<i>Dicynodon rectidens</i>	Owen, 1876	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u> or <u><i>Dicynodon</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon recurvidens</i>	Owen, 1876	Late Permian	 South Africa	<u><i>Dicynodon</i> Assemblage Zone</u>	Valid as <u><i>Dicynodontoides recurvidens</i></u>
<i>Dicynodon richardi</i>	Broom, 1940	Late Permian	 South Africa	<u><i>Cistecephalus</i> Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>

<i>Dicynodon roberti</i>	Boonstra, 1938	Late Permian	 Zambia	Upper Madumabisa Mudstone	Junior synonym of <i>Syops vanhoepeni</i>
<i>Dicynodon robertsi</i>	Broom, 1948	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone or <i>Dicynodon</i> Assemblage Zone	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon robustus</i>	Broom, 1932	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon rogersi</i>	Broom and Houghton, 1917	Late Permian	 South Africa	<i>Tropidostoma</i> Assemblage Zone	Junior synonym of <i>Tropidostoma dubium</i>
<i>Dicynodon rosmarus</i>	Cope, 1870	Late Triassic	 USA	Lockatong Formation	<i>Nomen dubium</i>
<i>Dicynodon rossicus</i>	Sushkin, 1926	Late Permian	 Russia	Upper Vyatkian	Junior synonym of <i>Vivaxosaurus trautscholdi</i>
<i>Dicynodon rubidgei</i>	Broom, 1932	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon scheepersi</i>	Broom, 1948	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone	Junior synonym of <i>Rhachiocephalus magnus</i>
<i>Dicynodon schroederi</i>	Toerien, 1953	Middle Permian	 South Africa	<i>Tapinocephalus</i> Assemblage Zone	Junior synonym of <i>Robertia broomiana</i>
<i>Dicynodon schwarzi</i>	Broom, 1919	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon scopulosa</i>	Lucas, 1998	Late Permian	 China	Quanzijie Formation	<i>Incertae sedis</i>
<i>Dicynodon seeleyi</i>	Broili, 1908	Early Triassic	 South Africa	<i>Lystrosaurus</i> Assemblage Zone	<i>Nomen dubium</i>
<i>Dicynodon sidneyi</i>	Broom, 1940	Late Permian	 South Africa	<i>Dicynodon</i> Assemblage Zone	Junior synonym of <i>Pelanomodon moschops</i>
<i>Dicynodon simocephalus</i>	Weithofer, 1888	Middle Triassic	 South Africa	<i>Cynognathus</i> Assemblage Zone	Valid as <i>Kannemeyeria simocephala</i>
<i>Dicynodon sinkianensis</i>	Yuan and Young, 1934	Late Permian	 China	Guodikeng Formation	Valid as <i>Jimusaria sinkianensis</i>
<i>Dicynodon sollasi</i>	Broom, 1921	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon strigiceps</i>	Owen, 1845	Late Permian	 South Africa	<i>Cistecephalus</i> Assemblage Zone or <i>Dicynodon</i> Assemblage Zone	<i>Nomen dubium</i>
<i>Dicynodon strigops</i>	Broom, 1913	Early Triassic	 South Africa	<i>Lystrosaurus</i> Assemblage Zone	<i>Nomen dubium</i>

<i>Dicynodon sunanensis</i>	Li et al., 2000	<u>Late Permian</u>	 <u>China</u>	<u>Guodikeng Formation</u>	Junior synonym of <i>Turfanodon bogdaensis</i>
<i>Dicynodon swierstrai</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Pristerodon mackayi</i>
<i>Dicynodon taoshuyuanensis</i>	King, 1988	<u>Late Permian</u>	 <u>China</u>	<u>Guodikeng Formation</u>	Junior synonym of <i>Jimusaria sinkianensis</i>
<i>Dicynodon taylori</i>	Broom, 1932	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon tealei</i>	Haughton, 1932	<u>Late Permian</u>	 <u>Tanzania</u>	<u>Usili Formation</u>	<i>Nomen dubium</i>
<i>Dicynodon tener</i>	von Huene, 1935	<u>Middle - Late Triassic</u>	 <u>Brazil</u>	<u>Santa Maria Formation</u>	<i>Nomen dubium</i>
<i>Dicynodon testudiceps</i>	Owen, 1845	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u> or <u><i>Dicynodon</i> Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon testudirostris</i>	Broom and Haughton, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon tienshanensis</i>	Sun, 1973	<u>Late Permian</u>	 <u>China</u>	<u>Guodikeng Formation</u>	Junior synonym of <i>Diictodon feliceps</i>
<i>Dicynodon tigriceps</i>	Owen, 1855	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Aulacephalodon bainii</i>
<i>Dicynodon traquairi</i>	von Huene, 1940	<u>Late Permian</u>	 <u>United Kingdom</u>	<u>Cutties Hillock Sandstone Formation</u>	Junior synonym of <i>Gordonia traquairi</i>
<i>Dicynodon trautscholdi</i>	Amalitzky, 1922	<u>Late Permian</u>	 <u>Russia</u>	<u>Upper Vyatkian</u>	Valid as <i>Vivaxosaurus trautscholdi</i>
<i>Dicynodon trigoniceps</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Pristerodon mackayi</i>
<i>Dicynodon trigonocephalus</i>	Broom, 1940	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <i>Dicynodon lacerticeps</i>
<i>Dicynodon truncatus</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u> or <u><i>Dicynodon</i> Assemblage Zone</u>	Junior synonym of <i>Oudenodon bainii</i>
<i>Dicynodon turpior</i>	von Huene, 1935	<u>Late Triassic</u>	 <u>Brazil</u>	<u>Santa Maria Formation</u>	<i>Nomen dubium</i>
<i>Dicynodon tylorhinus</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u><i>Dicynodon</i> Assemblage Zone</u>	<i>Incertae sedis</i>
<i>Dicynodon validus</i>	Broom, 1935	<u>Late Permian</u>	 <u>South</u>	<u>Tropidostoma Assemblage Zone</u>	Junior synonym of <i>Tropidostoma</i>

			<u>Africa</u>		<i>dubium</i>
<i>Dicynodon vanderbyli</i>	Broom, 1928	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon vanderhorsti</i>	Toerien, 1953	<u>Middle Permian</u>	 <u>South Africa</u>	<u>Tapinocephalus Assemblage Zone</u>	Junior synonym of <u><i>Diictodon feliceps</i></u>
<i>Dicynodon vanhoepeni</i>	Boonstra, 1938	<u>Late Permian</u>	 <u>Zambia</u>	Upper <u>Madumabisa Mudstone</u>	Valid as <u><i>Syops vanhoepeni</i></u>
<i>Dicynodon venter</i>	Broom, 1935	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	<i>Nomen dubium</i>
<i>Dicynodon venyukovi</i>	Sushkin, 1926	<u>Late Permian</u>	 <u>Russia</u>	Upper <u>Vyatian</u>	Junior synonym of <u><i>Vivaxosaurus trautscholdi</i></u>
<i>Dicynodon verticalis</i>	Owen, 1860	<u>Early Triassic</u>	 <u>South Africa</u>	<u>Lystrosaurus Assemblage Zone</u>	Junior synonym of <u><i>Lystrosaurus murrayi</i></u>
<i>Dicynodon watsoni</i>	Broom, 1921	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <u><i>Daptocephalus leoniceps</i></u>
<i>Dicynodon weatherbyi</i>	Broom, 1941	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Junior synonym of <u><i>Basilodon woodwardi</i></u>
<i>Dicynodon wellwoodensis</i>	Broom, 1936	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon whaitsi</i>	Broom, 1913	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Valid as <u><i>Odontocyclops whaitsi</i></u>
<i>Dicynodon whitsonae</i>	Toerien, 1954	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Dinanomodon gilli</i></u>
<i>Dicynodon wilmanae</i>	Broom, 1928	<u>Late Permian</u>	 <u>South Africa</u>	<u>Cistecephalus Assemblage Zone</u>	Junior synonym of <u><i>Oudenodon bainii</i></u>
<i>Dicynodon woodwardi</i>	Broom, 1921	<u>Late Permian</u>	 <u>South Africa</u>	<u>Dicynodon Assemblage Zone</u>	Valid as <u><i>Basilodon woodwardi</i></u>

See also

- List of therapsids
- Dicynodont

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External links

- [Dicynodon](https://web.archive.org/web/20060927214929/http://www.fmnh.helsinki.fi/users/haramo/Metazoa/Deuterostoma/Chordata/Synapsida/Anomodontia/Dicynodontidae.htm) (<https://web.archive.org/web/20060927214929/http://www.fmnh.helsinki.fi/users/haramo/Metazoa/Deuterostoma/Chordata/Synapsida/Anomodontia/Dicynodontidae.htm>) - Mikko's Phylogeny archive (list of species and cladogram)

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